

What is claimed is:

1. A wildlife guard for electrical power equipment comprising:

a disc having a central opening for fitting onto the equipment comprising:

5 an electrically insulating material; and

a conductive filler material dispersed within the electrically insulating material in quantity sufficient for the disc to maintain an electrostatic charge;

the disc having an insertion slot extending from an outer portion to
10 the central opening for movement of the disc onto the equipment.

2. The wildlife guard of claim 1 wherein the disc comprises:

a plurality of ring members concentrically located about the central opening; and

15 spacer ring tab members mounted between the ring members for connecting the ring members.

3. The wildlife guard of claim 2 further including a plurality of lug members extending inwardly into the central opening from an inner one of

20 the ring members for engaging an outer surface of the equipment.

4. The wildlife guard of claim 2 wherein the ring members are of increasing diameter extending in concentric location from an innermost ring member adjacent the central opening to an outermost ring member.

5 5. The wildlife guard of claim 2 wherein inner ones of the ring members are removable from the tab members.

6. The wildlife guard of claim 5 wherein the tab members adjacent the inner ones of the ring members function as engaging lugs on removal
10 of the inner ones of the ring members.

7. The wildlife guard of claim 1 further including guide notches formed in the disc adjacent the installation grip for engagement with the installation tool.

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8. The wildlife guard of claim 1 further comprising a plurality of teeth formed along the insertion slot engaging the equipment and holding the disc in place on the equipment.

20 9. The wildlife guard of claim 8 wherein the teeth face inwardly along side portion of the insertion slot to allow ease of movement of the disc onto the equipment.

10. The wildlife guard of claim 8 wherein portions of the teeth are removable to adapt the disc for various sizes of electrical power distribution equipment.

5 11. The wildlife guard of claim 1 wherein the disc comprises a barrier between an energized surface and a grounded surface or between any two electrodes of different electrical potential.

12. The wildlife guard of claim 1 wherein the conductive material
10 comprises carbon black.

13. The wildlife guard of claim 1 wherein the conductive material comprises stainless steel fibers.

15 14. The wildlife guard of claim 1 further comprising a nonconductive adapter placed over a conductor onto which the wildlife guard is mounted.

15 15. The wildlife guard of claim 14 wherein the adapter comprises a hollow cylinder comprising two halves attached by a hinge and clamped onto the conductor with a clamp, the adapter having an annular groove in an exterior portion thereof for maintaining the wildlife guard upon the adapter.

16. The wildlife guard of claim 14 wherein the adapter comprises a donut shaped resilient material having a cutout section removed therefrom and adapted to be resiliently deformed to fit around the conductor, the
5 adapter further defining an annular groove in an exterior portion thereof for maintaining the wildlife guard upon the adapter.

17. The wildlife guard of claim 1 further comprising
at least one installation grip area for engagement with a gripping
10 portion of an installation tool, the installation grip area comprising:
a plate member for engagement with the gripping portion of the
installation tool; and
a passage port adjacent to the plate member for passage of the
gripping portion of the installation tool.

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18. A wildlife guard for an electrical insulator bushing having an
electrical conductor extending outwardly therefrom, the wildlife guard
comprising:
an electrically nonconductive cover for covering at least a portion of
20 the electrical conductor, the cover being adapted to mount upon the
bushing; and
a conductive panel attached or molded into to the cover.

19. The wildlife guard of claim 18 wherein the cover comprises a jacket having a cylindrical body and a frustoconically-shaped top portion defining a circular opening for entry of the conductor and a bottom portion extending inwardly from the body portion.

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20. The wildlife guard of claim 18 wherein the conductive panel comprises a conductive filler impregnated body fastened to the cover.

21. The wildlife guard of claim 20 wherein the conductive filler
10 comprises carbon black.

22. The wildlife guard of claim 18 wherein the conductive panel comprises a conductive filler impregnated tape.

15 23. The wildlife guard of claim 18 wherein the conductive panel comprises a conductive filler impregnated body attached to the cover by adhesive.

24. The wildlife guard of claim 18 wherein the conductive panel
20 comprises a carbon black impregnated polypropylene.

25. A wildlife guard manufactured by the process of mixing an electrically conductive material with a moldable material to form a flowable

mixture having between 1 and 20% by weight of electrically conductive material, injecting the mixture into a mold, the mold having a predetermined shape, and removing the product so formed from the mold.

5 26. The wildlife guard of claim 25 wherein the conductive material comprises stainless steel fibers.

 27. The wildlife guard of claim 26 further including the step of attaching the product to a wildlife guard.
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 28. The wildlife guard of claim 26 further including the step of forming in the mold a device having electrostatic properties for mounting the guard to a second device.

15 29. The wildlife guard of claim 25 wherein the conductive material comprises carbon black.

 30. The wildlife guard of claim 29 further comprising the step of attaching the product to a preexisting wildlife guard.
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 31. The wildlife guard of claim 29 further including the step of forming in the mold a device having a plurality of fingers for mounting the guard to a second device.

32. A method of deterring an animal from climbing on electrical equipment comprising:

5 placing a guard on the electrical equipment and positioning the guard for contact by an animal attempting to climb on the electrical equipment, the guard comprising an electrically insulating material and a conductive filler material dispersed within the electrically insulating material in quantity sufficient for the guard to maintain an electrostatic charge when placed on the electrical equipment,
10 whereby the electrostatic charge provides an annoying shock to the animal when it contacts the guard, thereby deterring the animal from climbing on the electrical equipment.

33. A wildlife guard for an electrical conductor comprising:

15 a tape comprising

a first non-electrically conductive layer having an adhesive thereon for attaching the tape to the conductor; and

a second electrically conductive layer attached to the first layer for maintaining an electrostatic charge.

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34. The wildlife guard of claim 33 wherein the two-layered tape has bonding properties that allow it to adhere to itself forming a cylinder around the conductor.

35. A wildlife guard for an electrical conductor comprising:

a hollow cylindrical portion defining a slit and having two end portions that meet along the slit wherein the hollow cylindrical portion is
5 resiliently deformable to allow separation of the two end portions sufficient to provide clearance for the conductor to be at least partially encased within the hollow cylindrical portion and returnable to its initial position to capture the conductor within the hollow cylindrical portion; and

wherein the hollow cylindrical portion has a nonconductive inner
10 layer and a conductive outer layer which maintains a static charge thereon to provide small shock to any wildlife which come into contact with the conductive layer.

36. The wildlife guard of claim 35 wherein the hollow cylindrical
15 portion has two flanges attached adjacent the end portions of the slit..

37. The wildlife guard of claim 35 wherein the hollow cylindrical portion partially encases the conductor and is held to the conductor with fasteners.

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38. The wildlife guard of claim 35 wherein the hollow cylindrical portion partially encases the conductor and is held to the conductor with an adhesive.

39. The wildlife guard of claim 35 wherein the hollow cylindrical portion partially encases the conductor and is held to the conductor with formed wire grips.

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40. The wildlife guard of claim 39 wherein the formed wire grip is made of plastic.